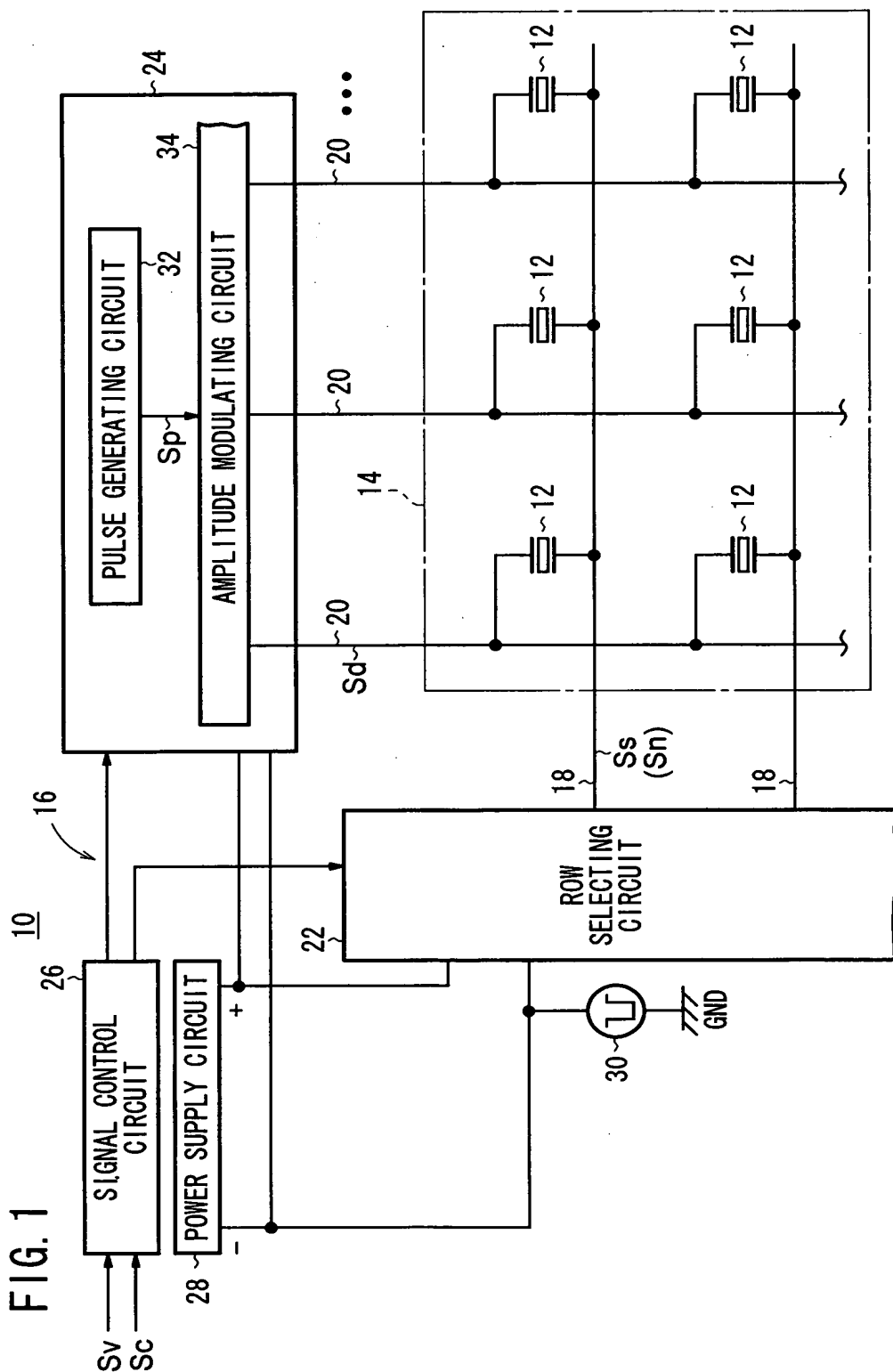


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FIG. 2C

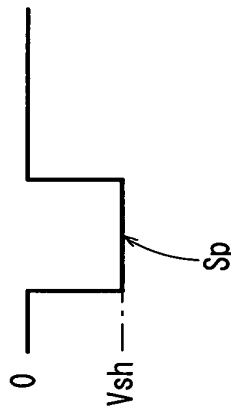


FIG. 2B

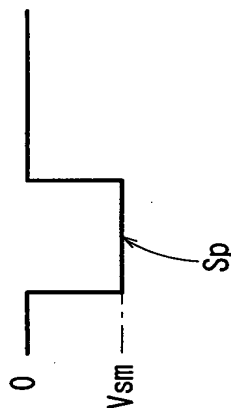
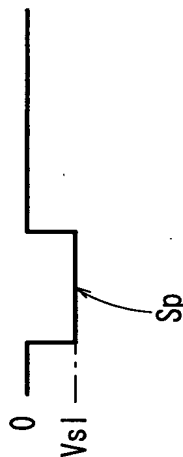


FIG. 2A



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FIG. 3

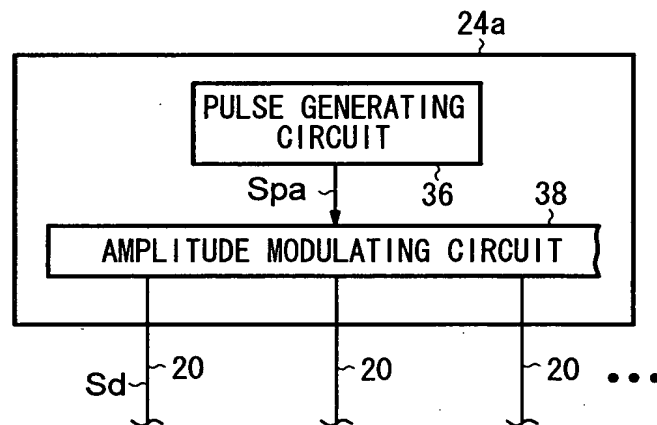


FIG. 4A

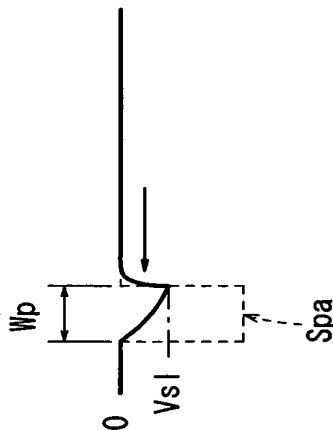


FIG. 4B

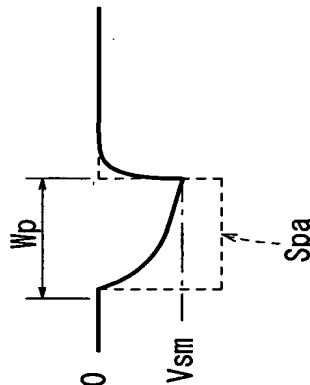
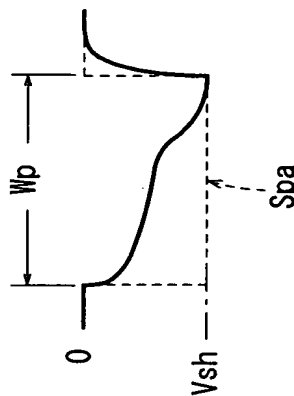
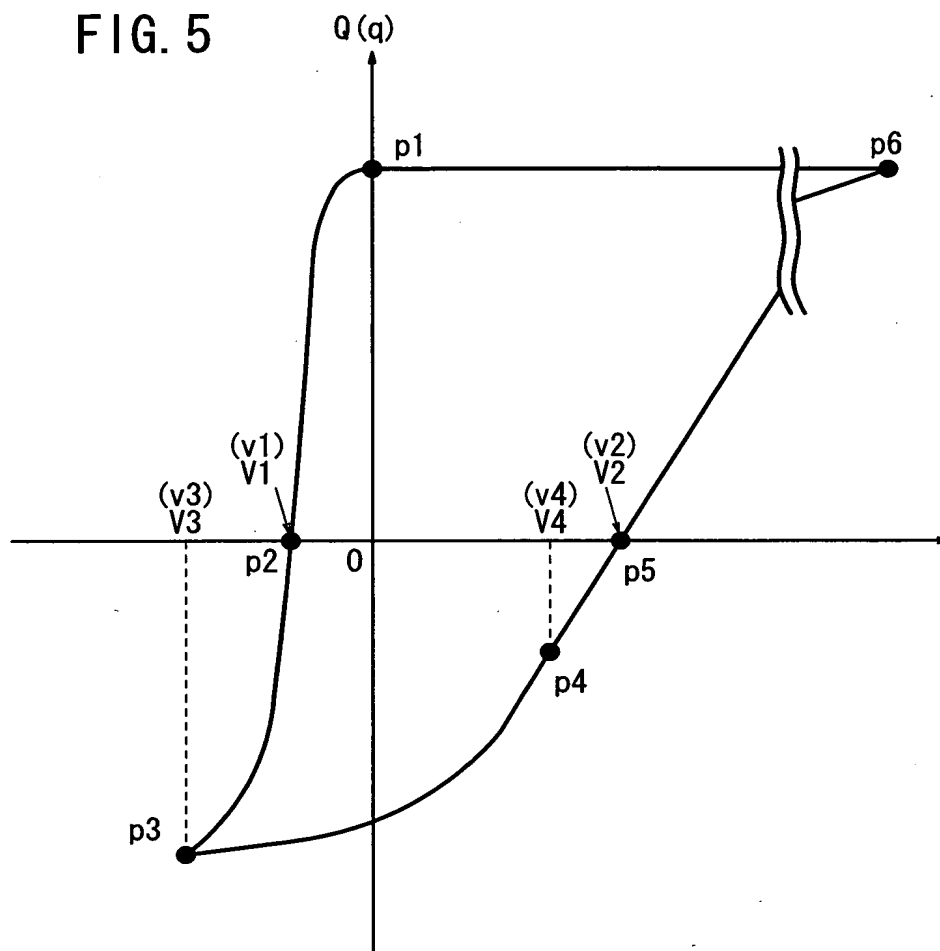


FIG. 4C

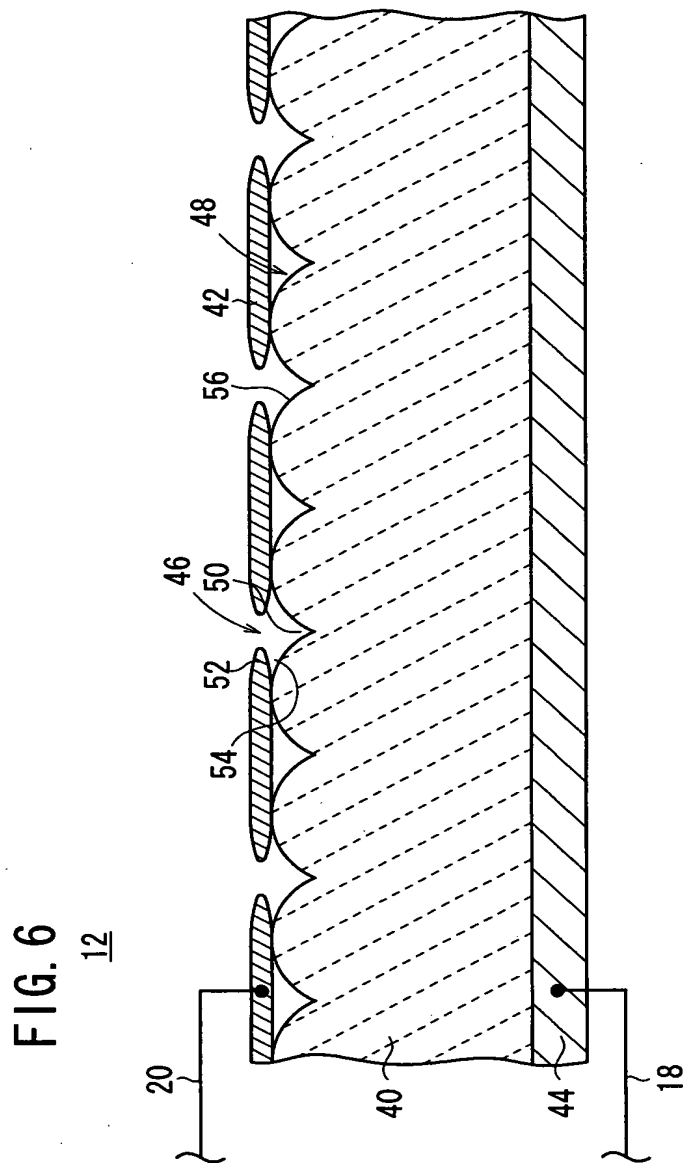


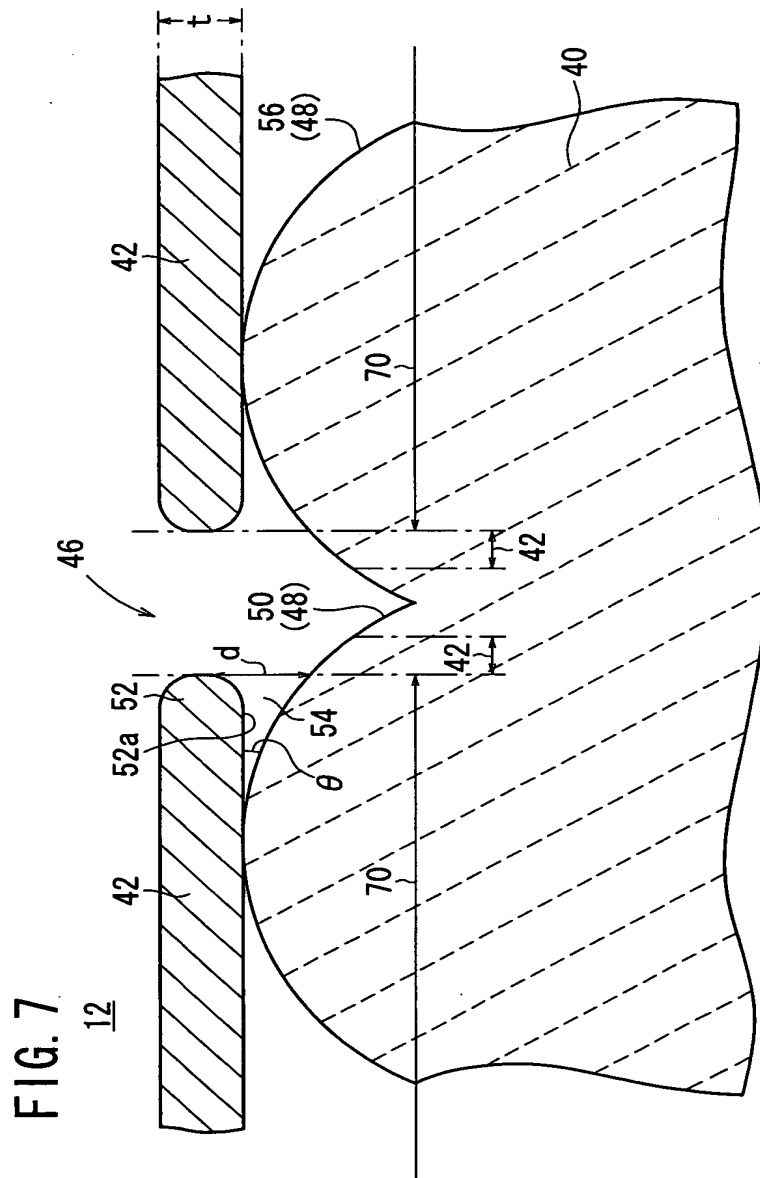
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FIG. 5



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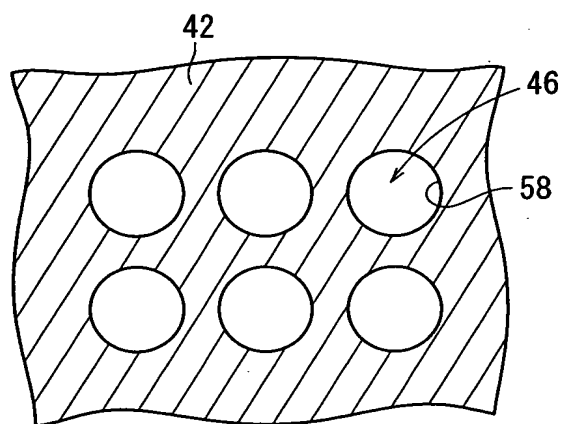




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FIG. 8

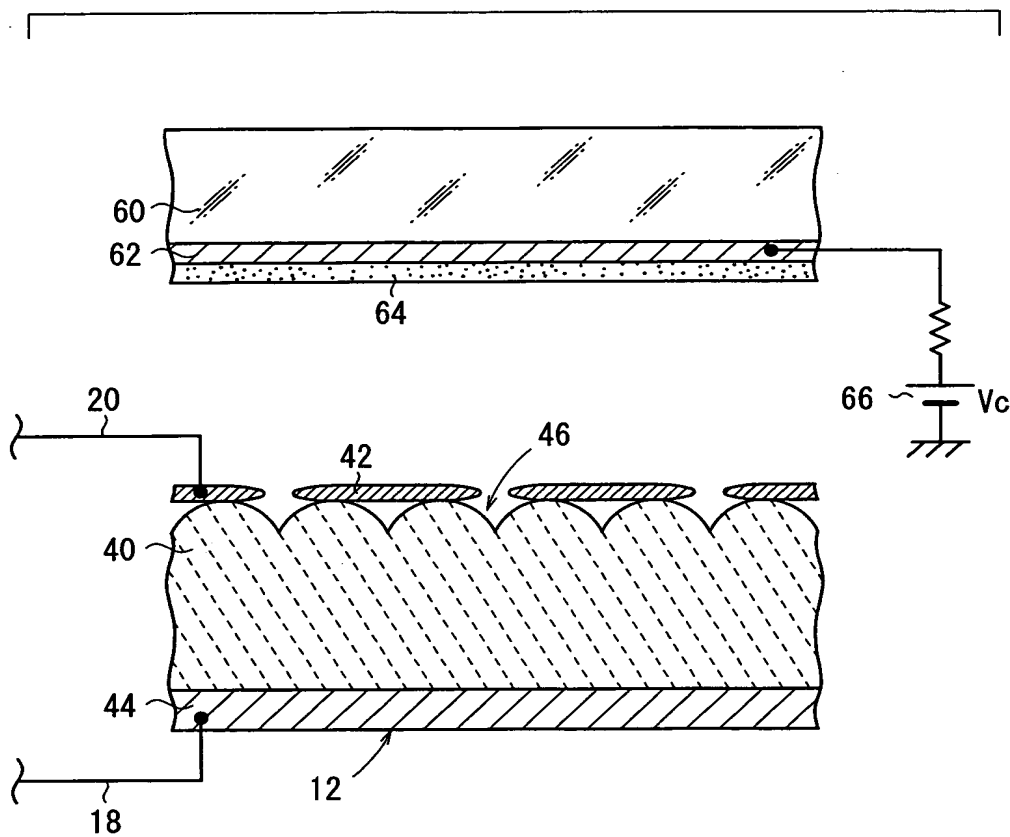
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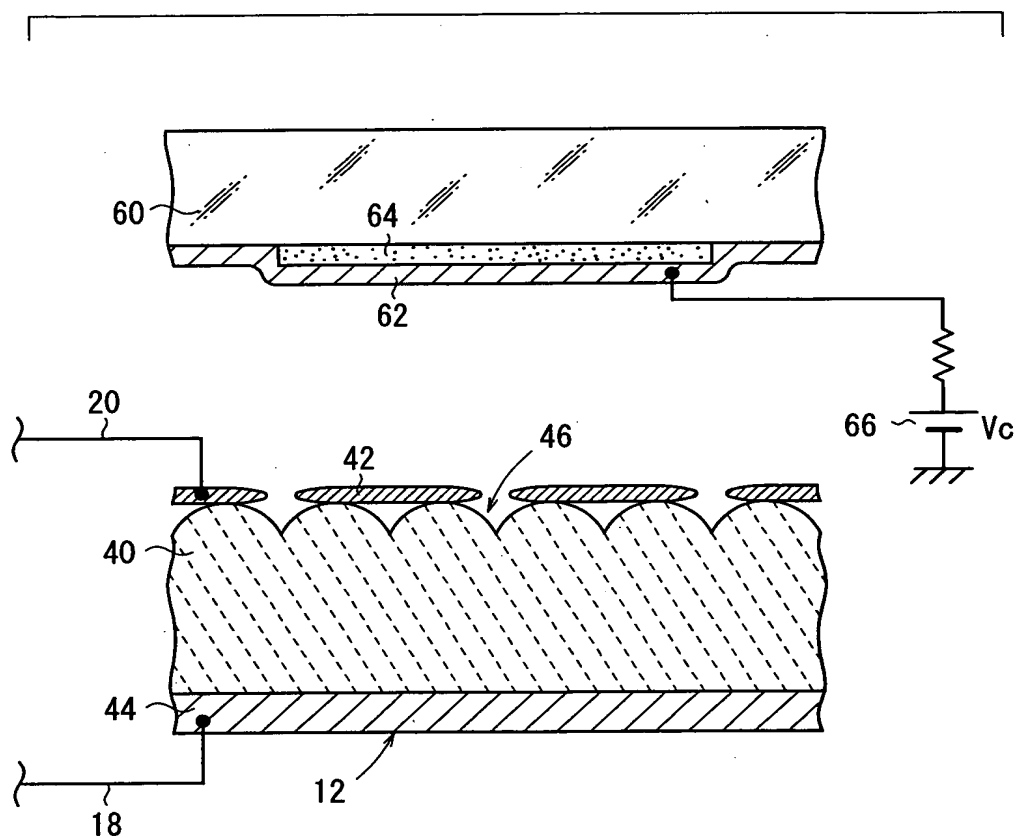
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FIG. 9



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FIG. 10



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FIG. 11A

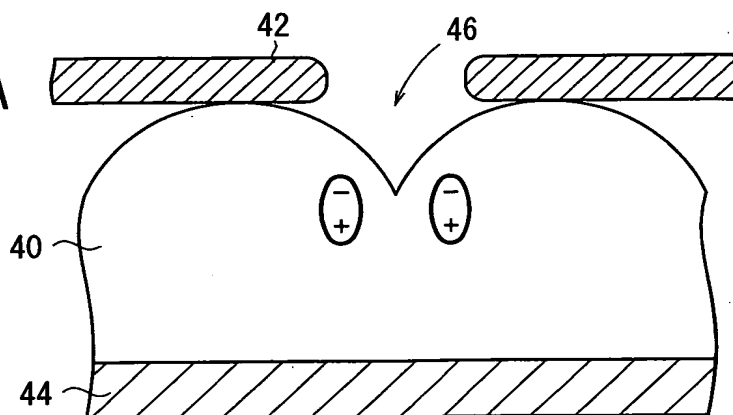


FIG. 11B

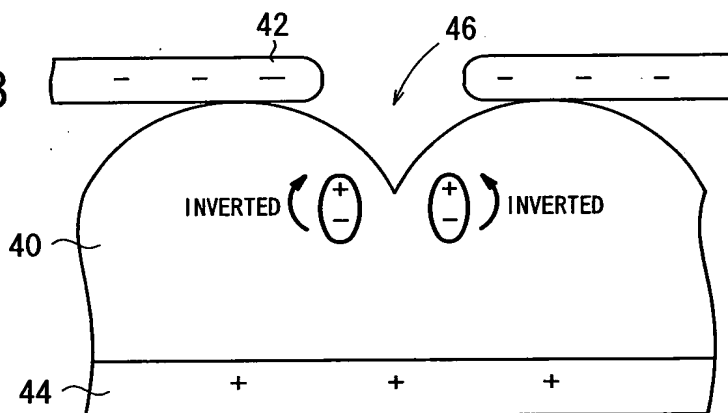
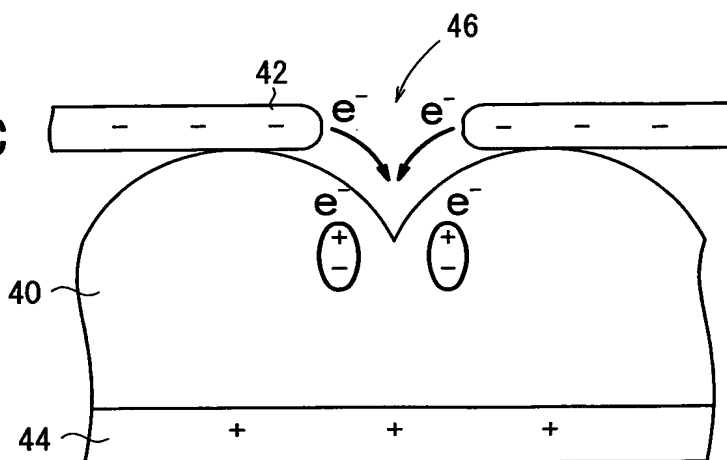
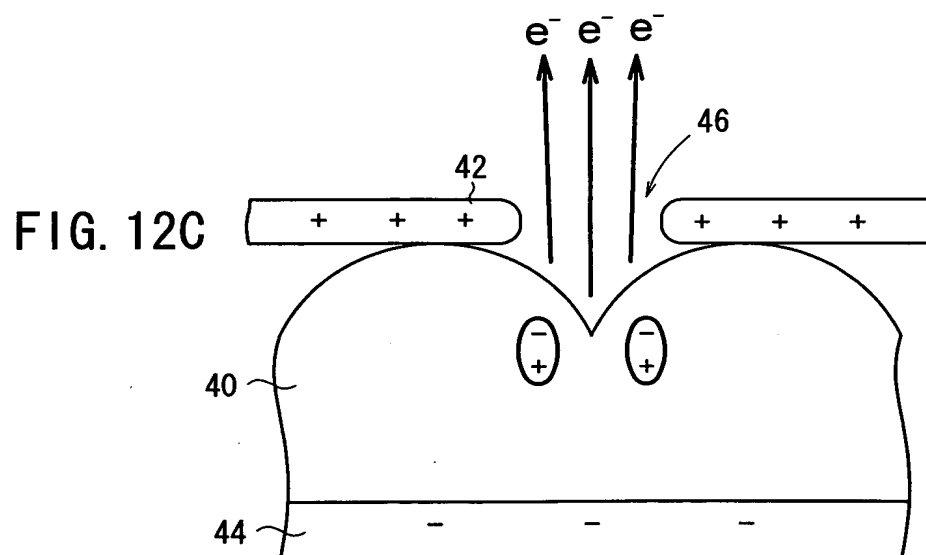
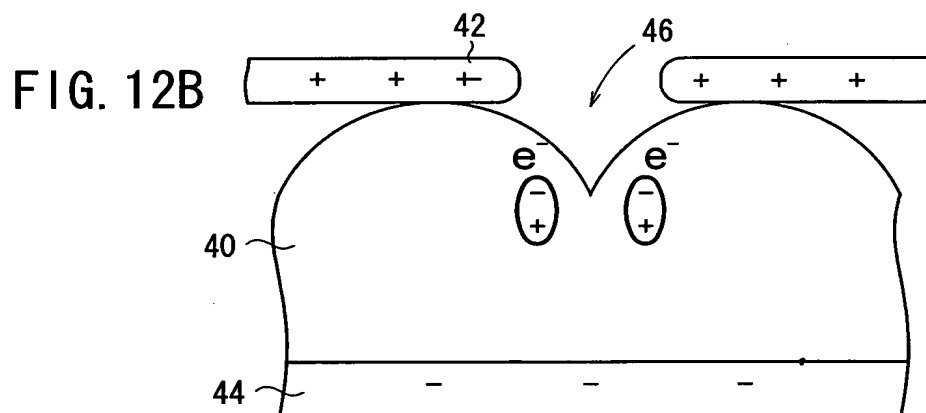
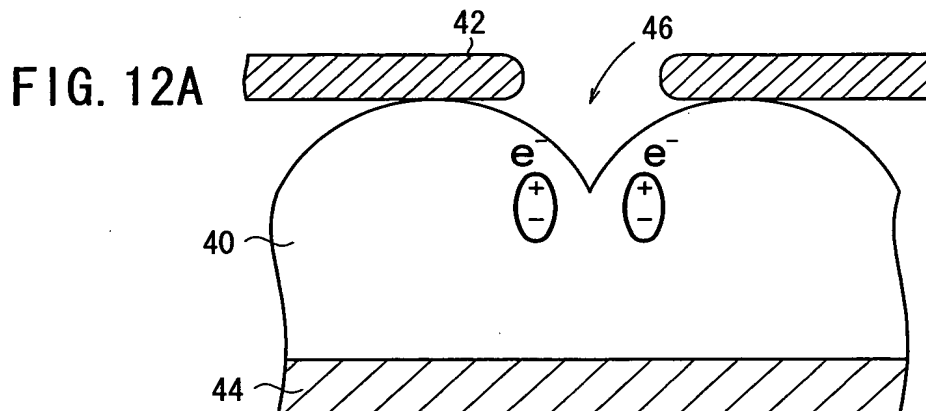


FIG. 11C



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FIG. 13A

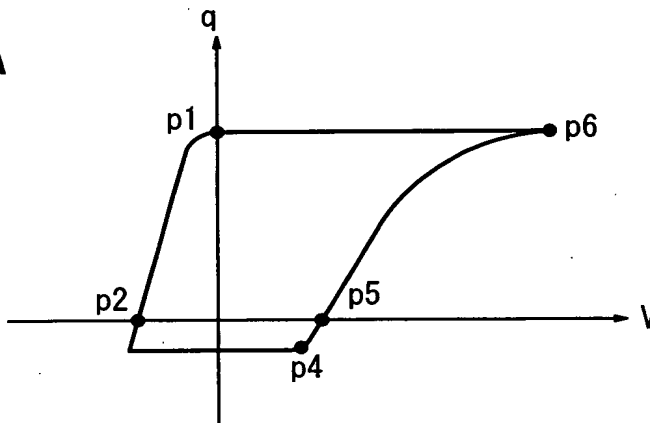


FIG. 13B

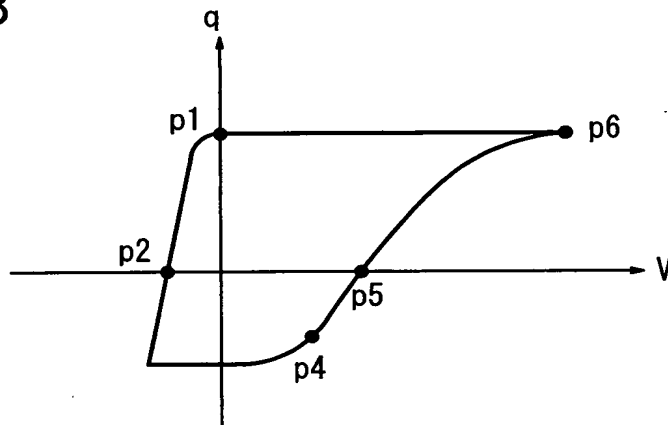
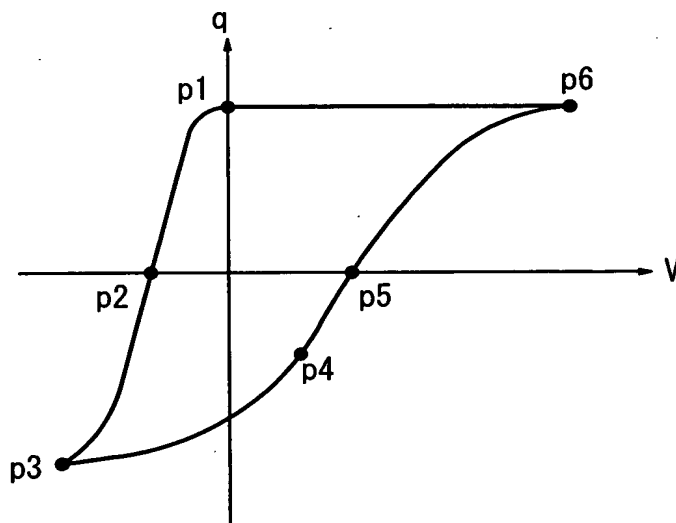


FIG. 13C



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FIG. 14A

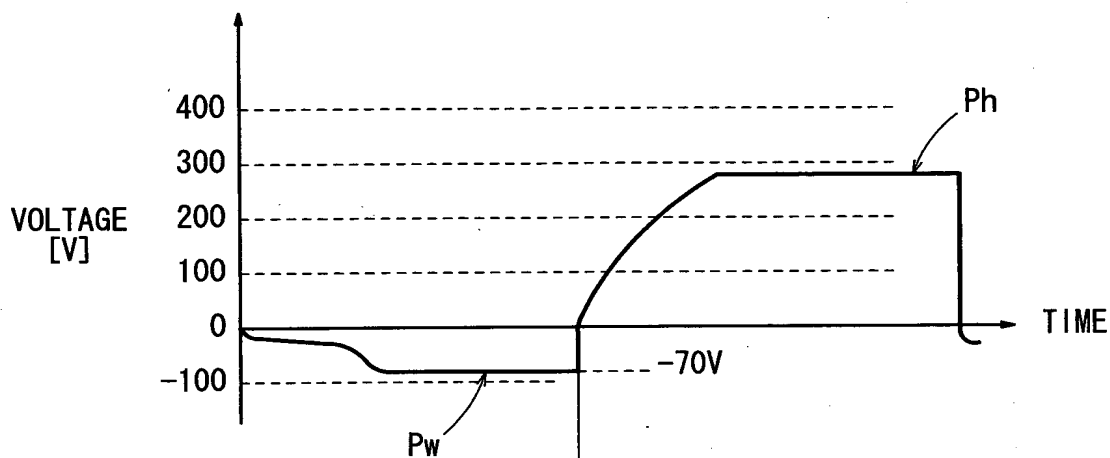
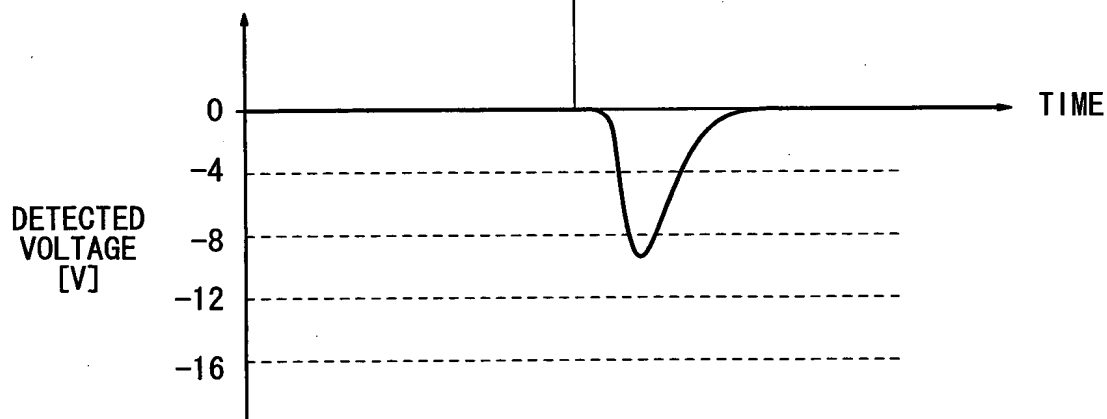
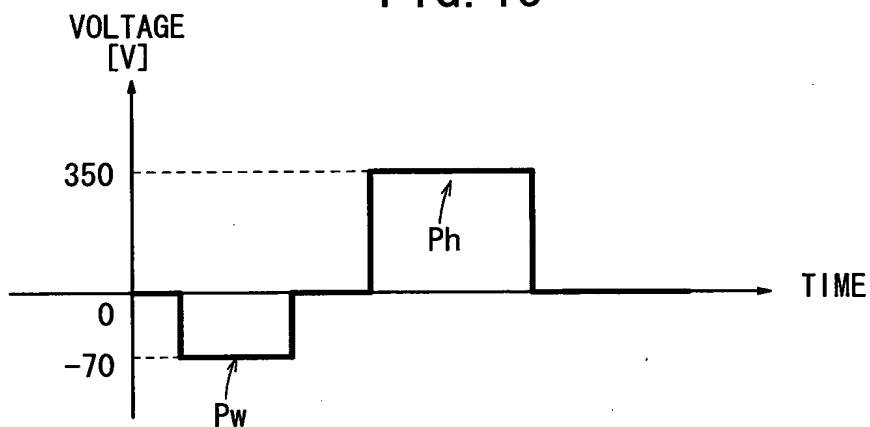


FIG. 14B



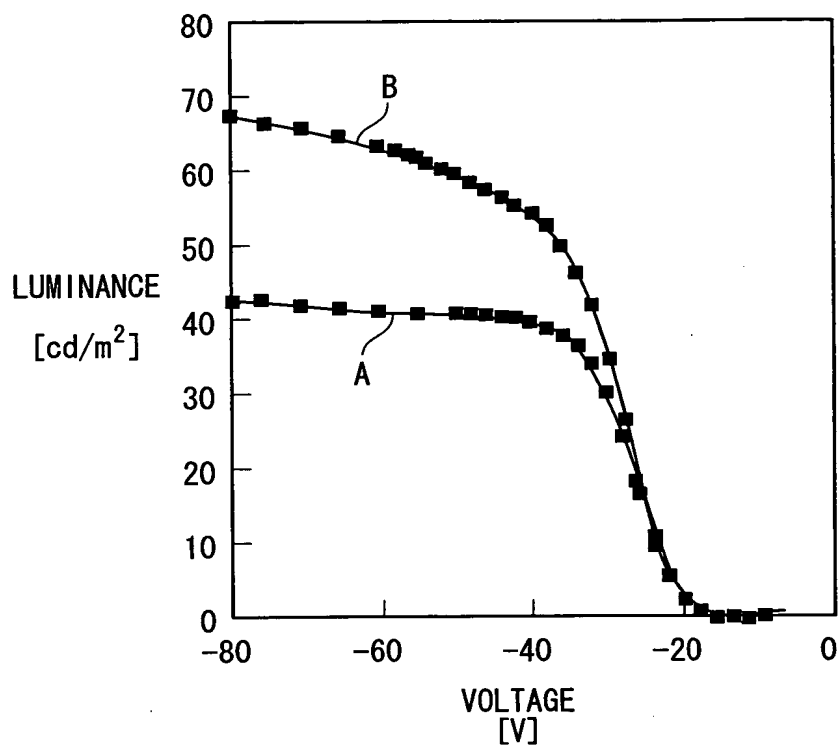
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FIG. 15



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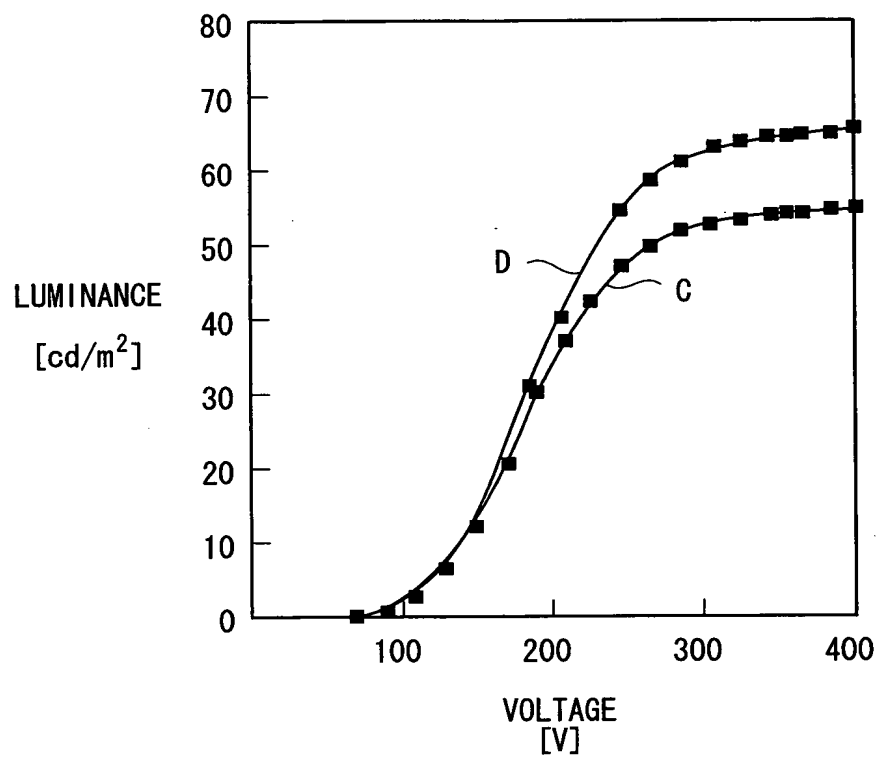
FIG. 16





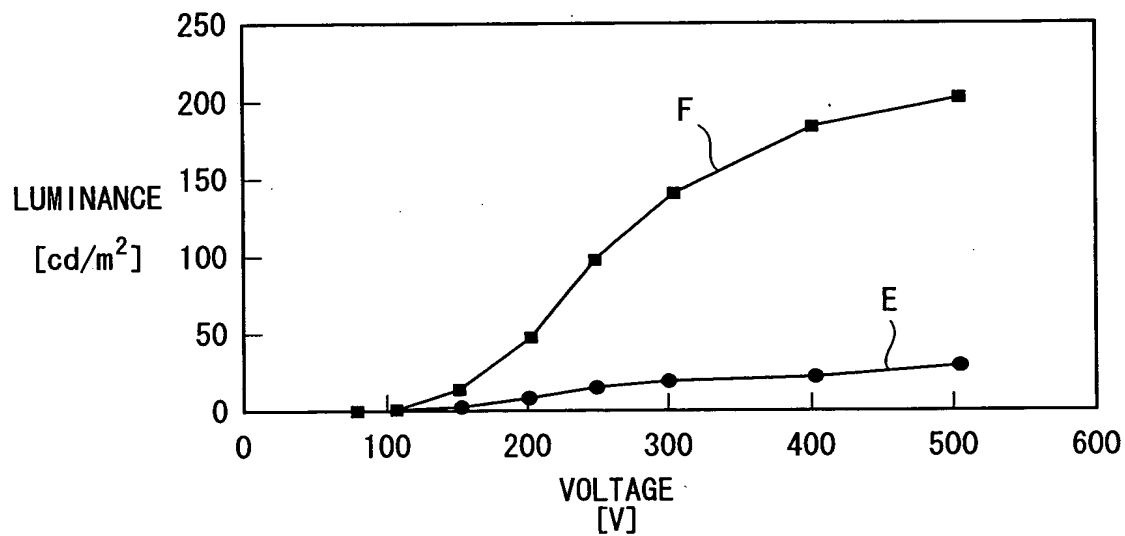
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FIG. 17



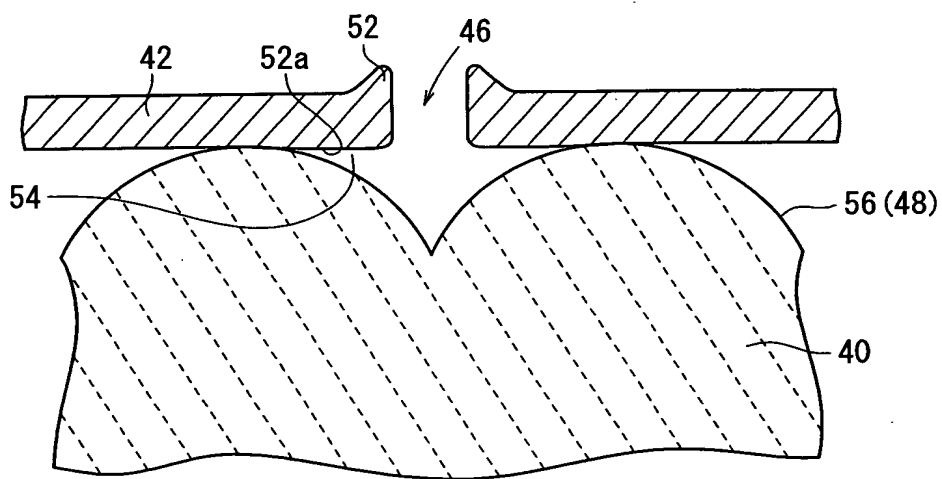
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FIG. 18



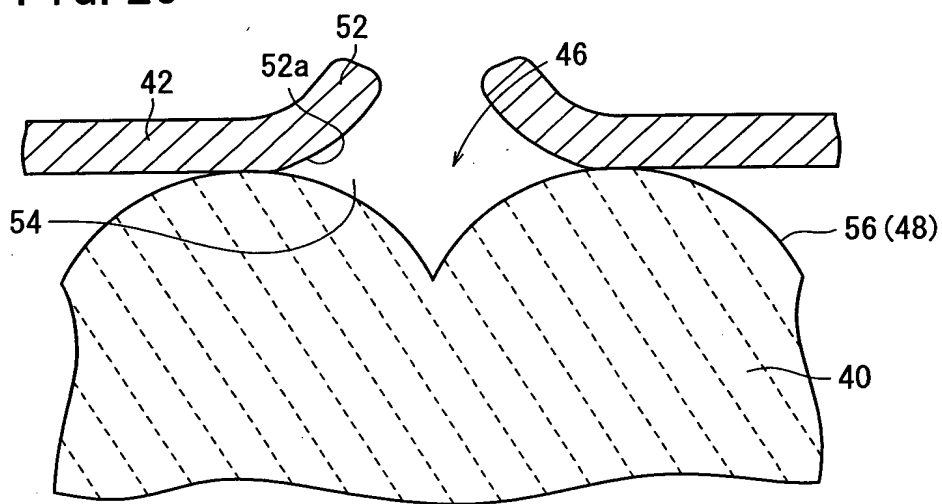
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FIG. 19



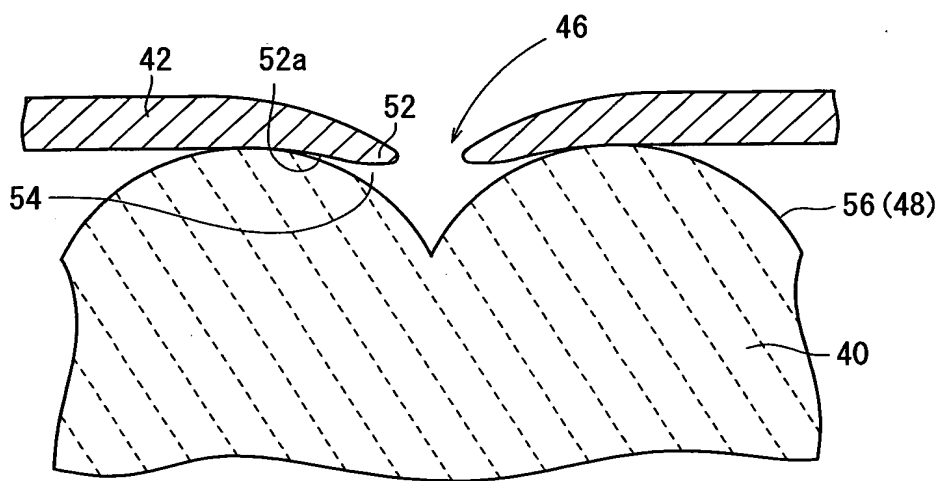
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FIG. 20



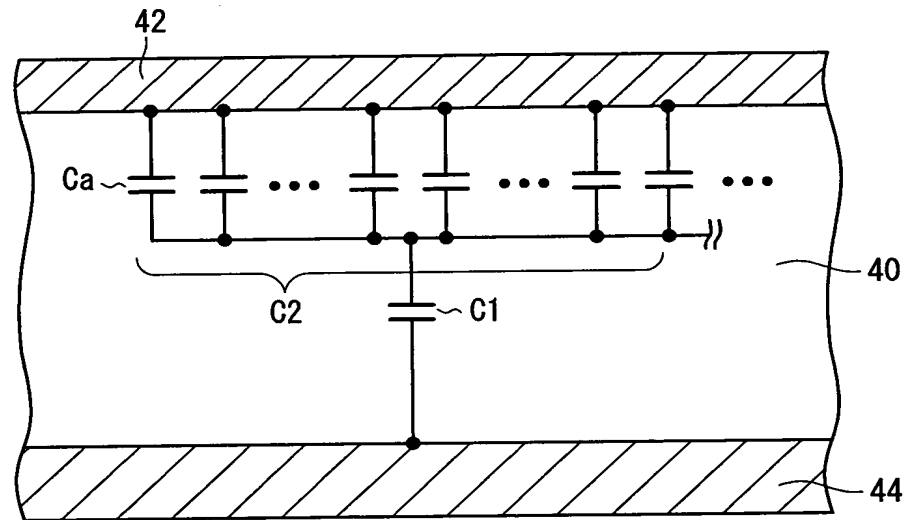
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FIG. 21



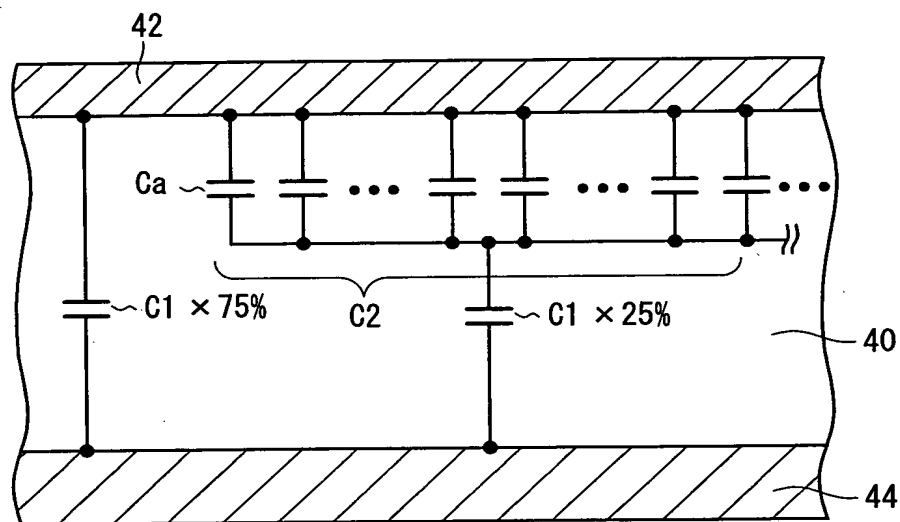
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FIG. 22



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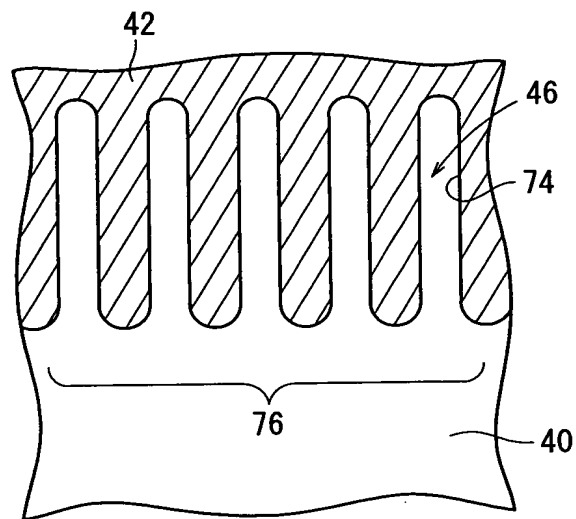
FIG. 23



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FIG. 24

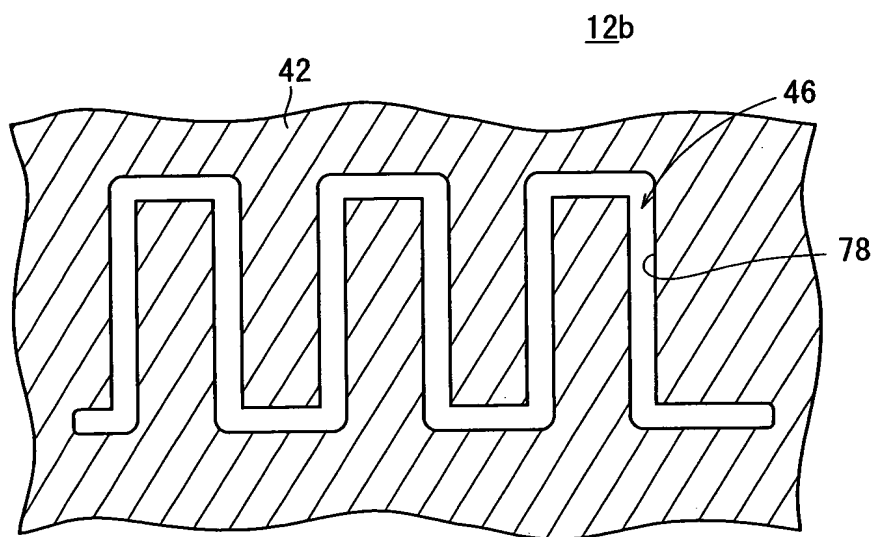
12a





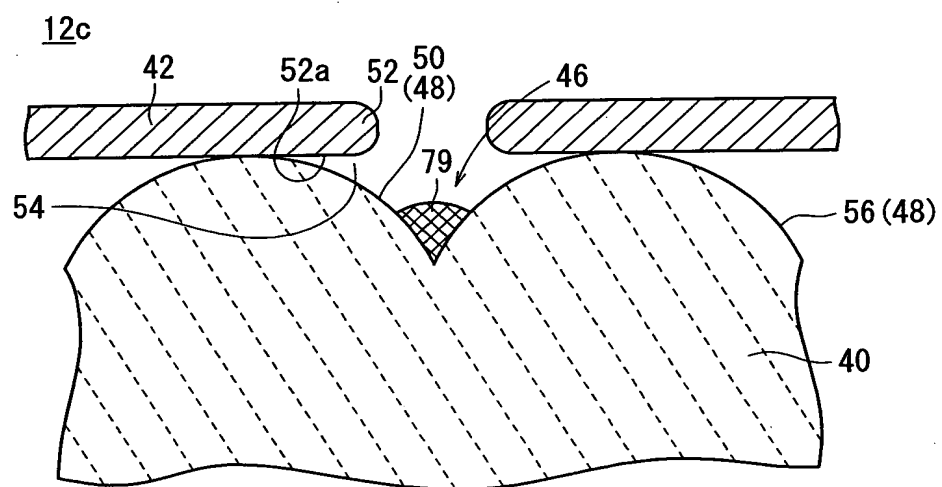
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FIG. 25



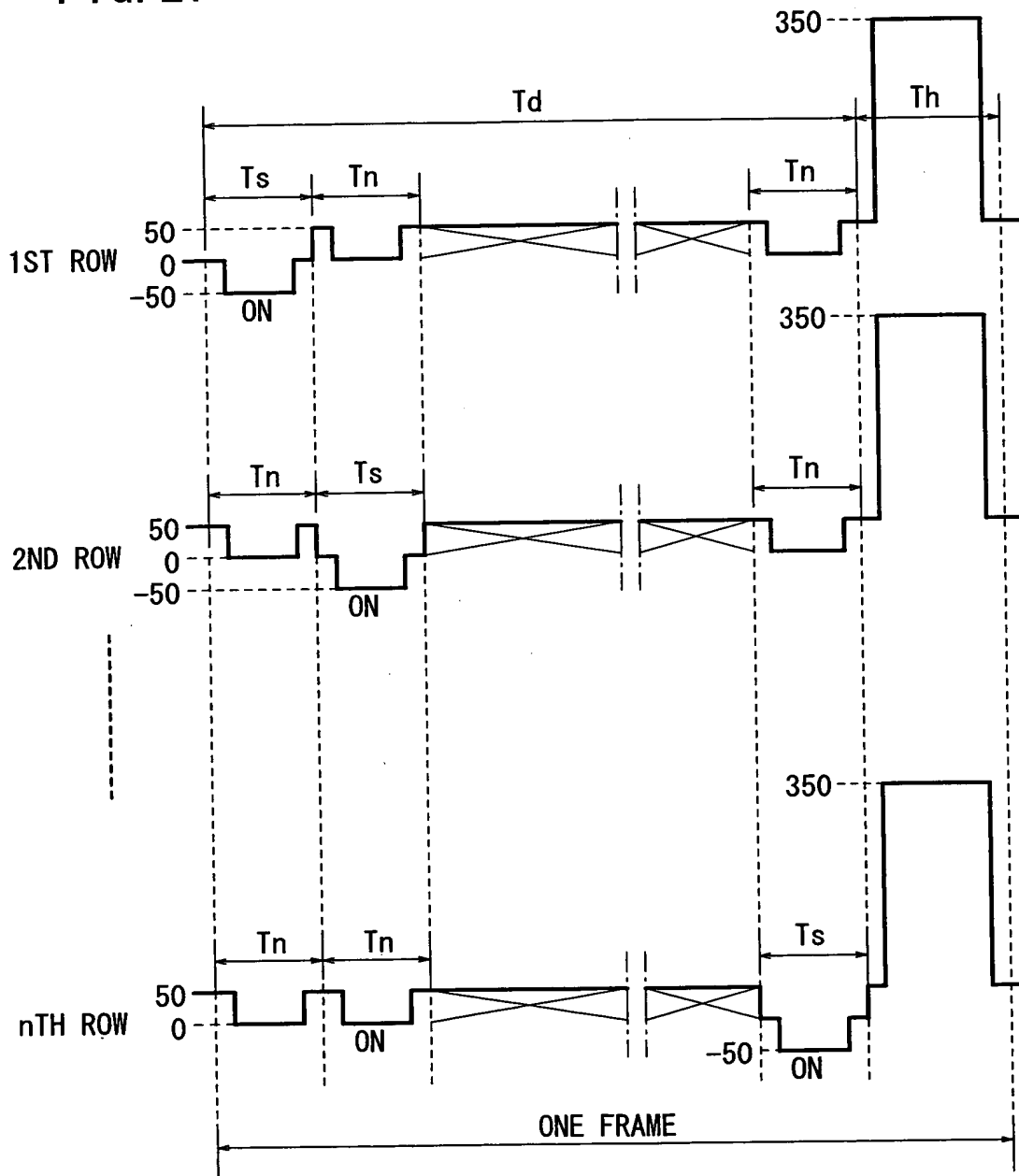
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FIG. 26



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FIG. 27

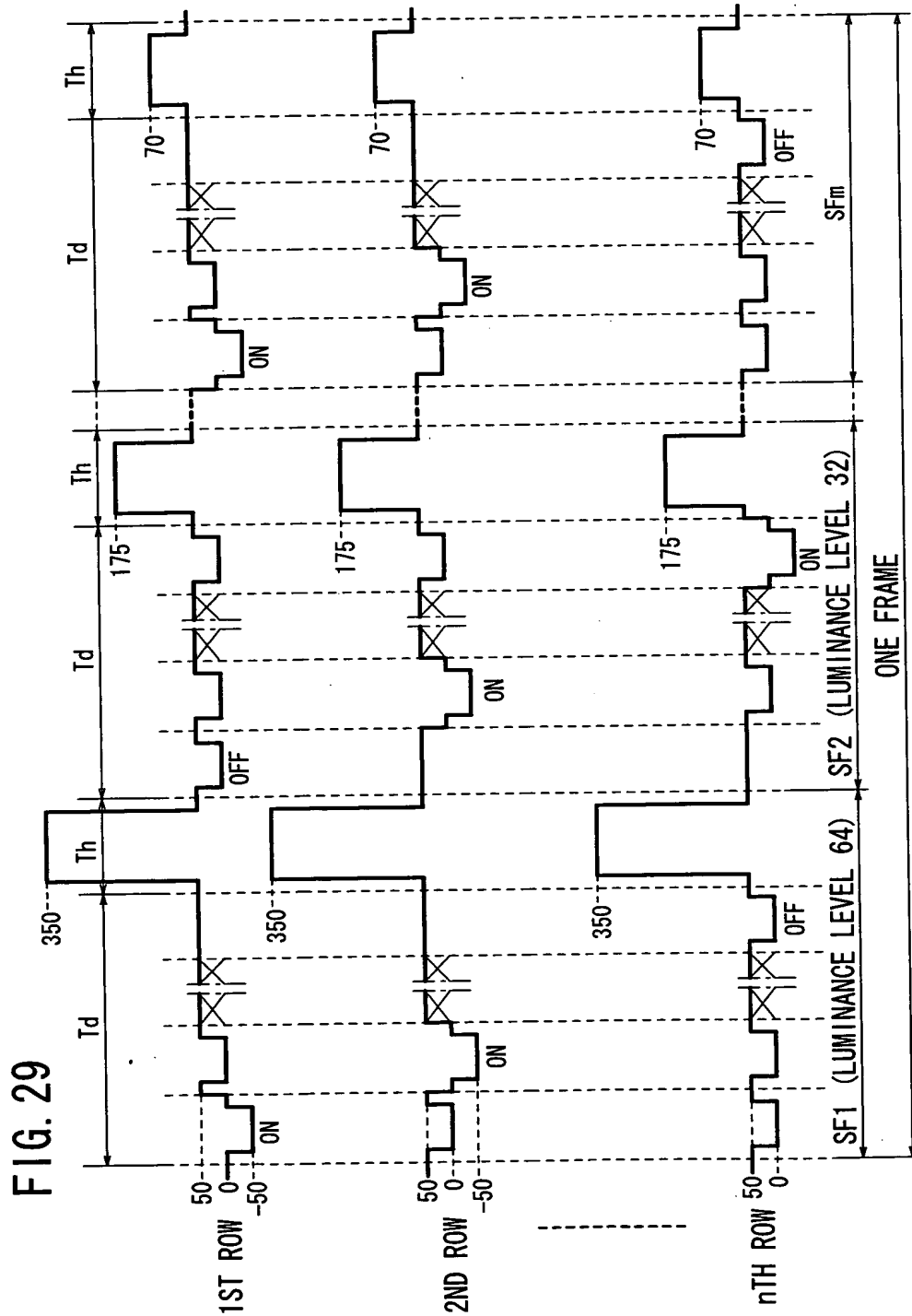


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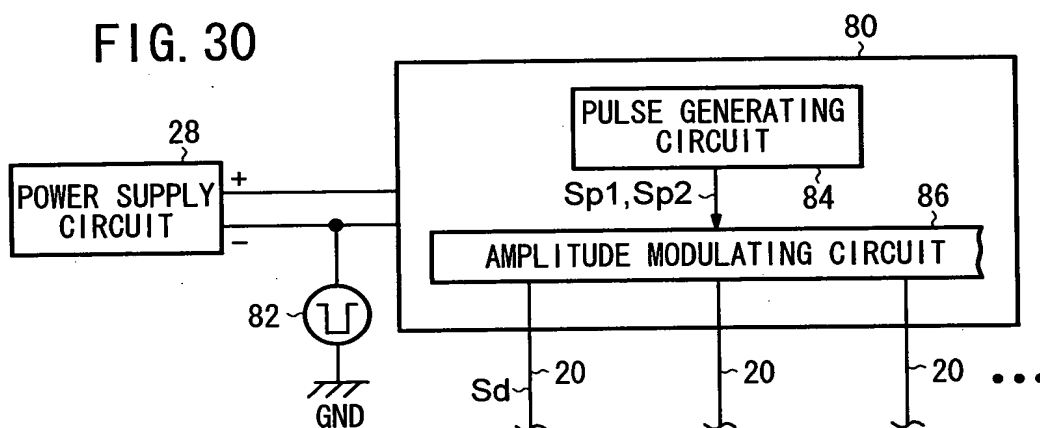
FIG. 28

|              |         | CHARGE ACCUMULATION PERIOD |       | LIGHT EMISSION PERIOD |
|--------------|---------|----------------------------|-------|-----------------------|
|              |         | ON                         | OFF   |                       |
|              |         | 0~30[V]                    | 50[V] | 0[V]                  |
| SELECTED     | 50[V]   | -50~-20[V]                 | 0[V]  |                       |
| UNSELECTED   | 0[V]    | 0~30[V]                    | 50[V] |                       |
| ALL SELECTED | -350[V] |                            |       | 350[V]                |

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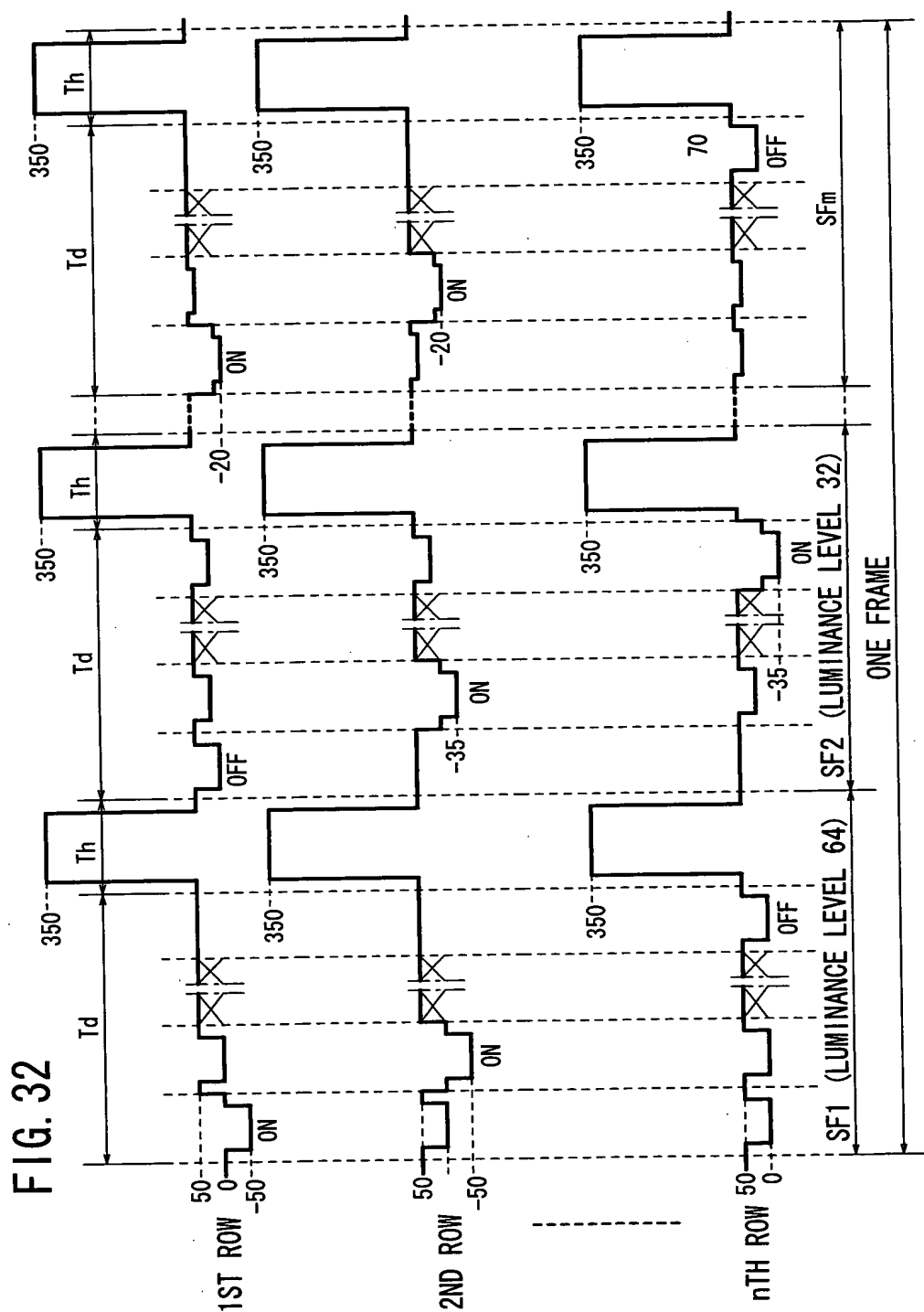


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FIG. 31

|              |         | CHARGE ACCUMULATION PERIOD |       | LIGHT EMISSION PERIOD |
|--------------|---------|----------------------------|-------|-----------------------|
|              |         | ON                         | OFF   |                       |
|              |         | 0[V]                       | 50[V] | 0~-280[V]             |
| SELECTED     | 50[V]   | -50[V]                     | 0[V]  |                       |
| UNSELECTED   | 0[V]    | 0[V]                       | 50[V] |                       |
| ALL SELECTED | -350[V] |                            |       | 350~70[V]             |

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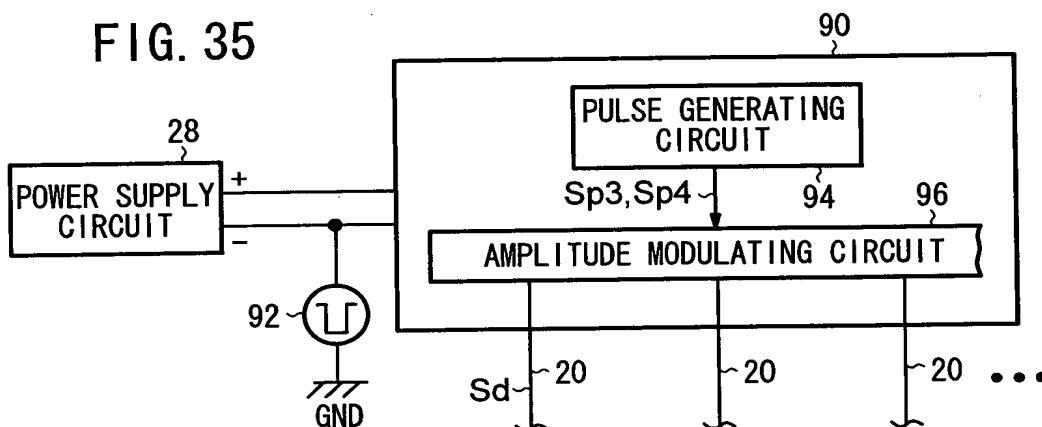
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FIG. 33

|              |         | CHARGE ACCUMULATION PERIOD |       | LIGHT EMISSION PERIOD |
|--------------|---------|----------------------------|-------|-----------------------|
|              |         | ON                         | OFF   |                       |
|              |         | 0~30[V]                    | 50[V] | 0[V]                  |
| SELECTED     | 50[V]   | -50~-20[V]                 | 0[V]  |                       |
| UNSELECTED   | 0[V]    | 0~30[V]                    | 50[V] |                       |
| ALL SELECTED | -350[V] |                            |       | 350[V]                |



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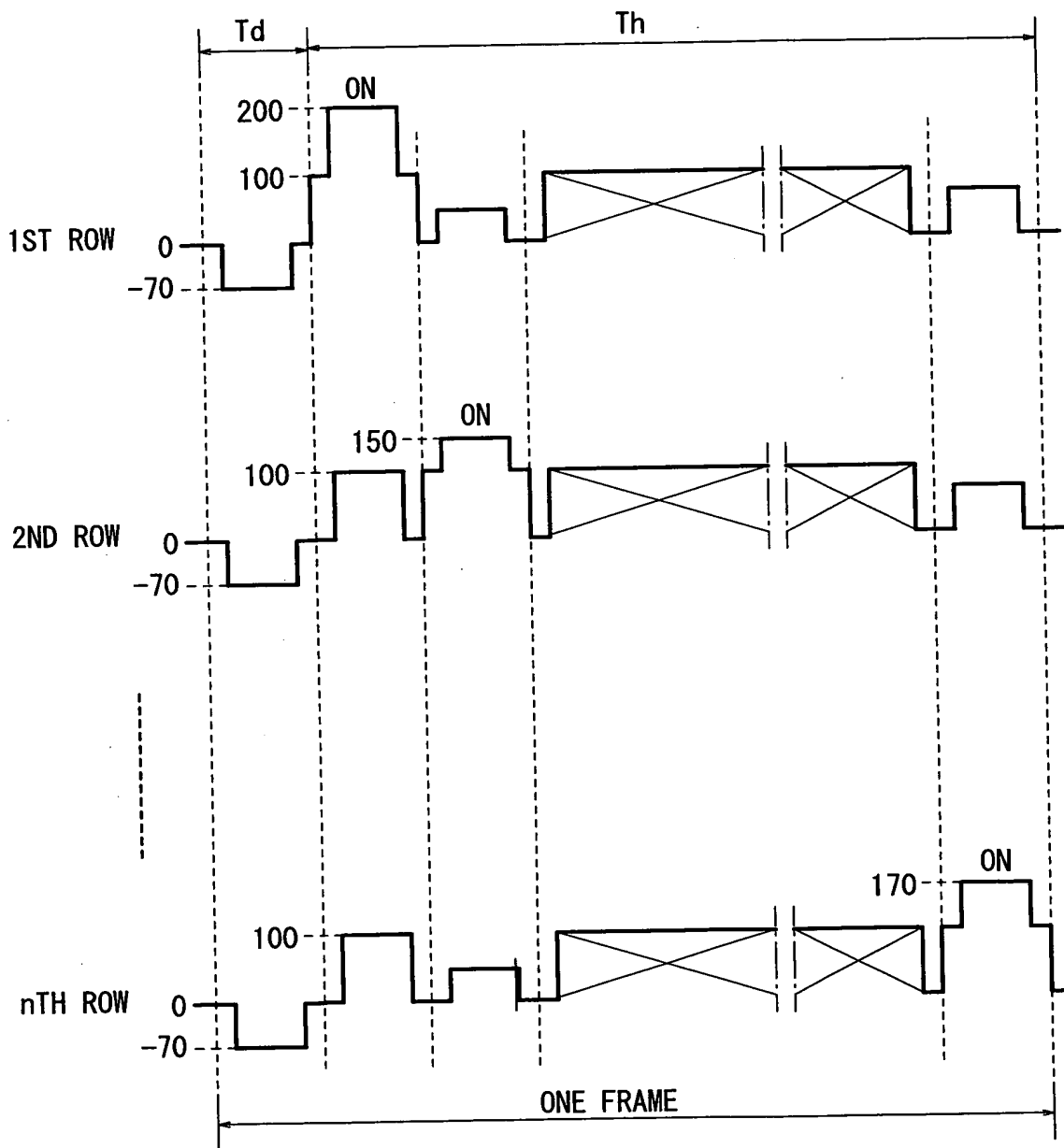
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FIG. 36

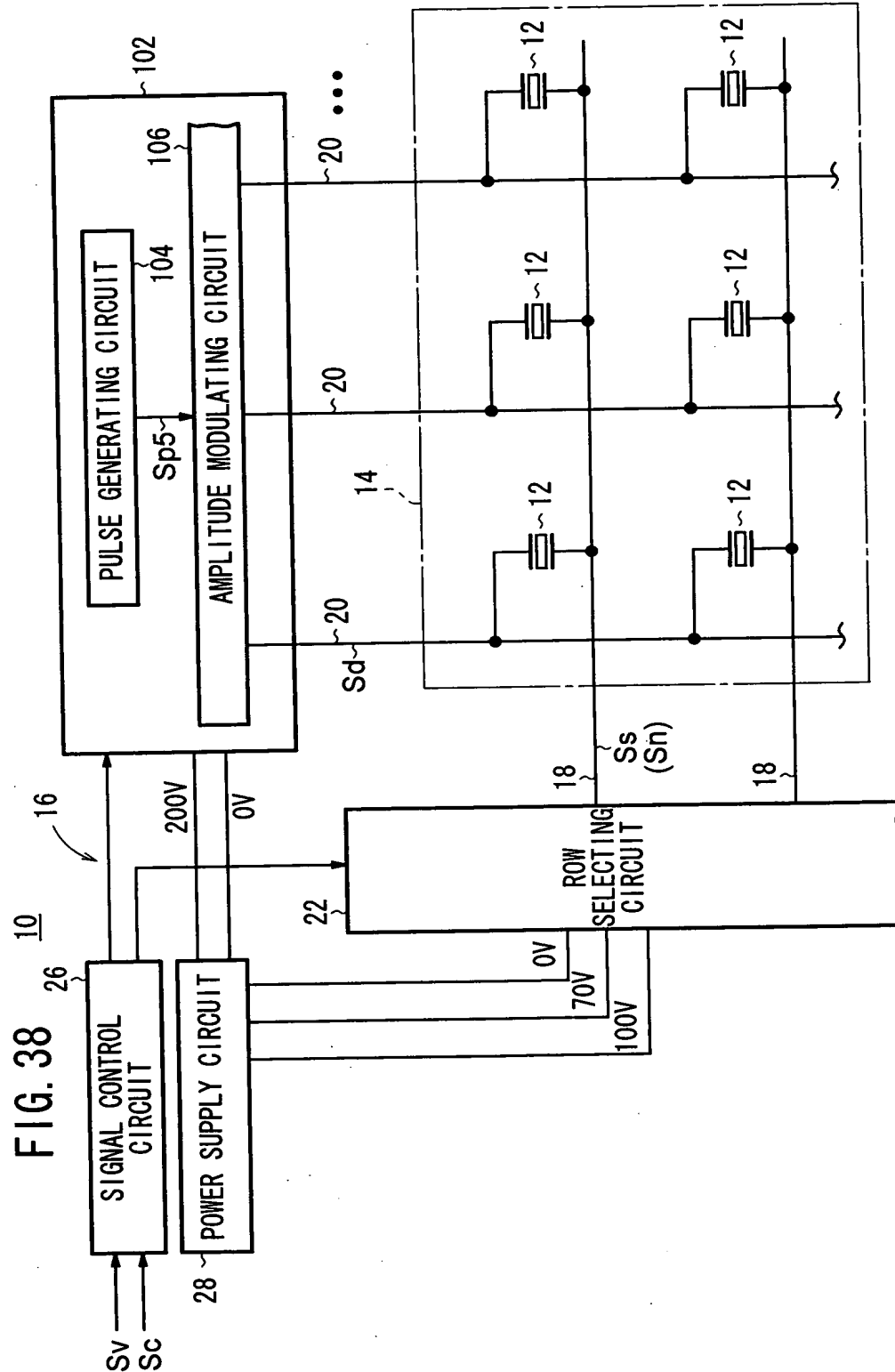
|                 |         | CHARGE ACCUMULATION PERIOD |       | LIGHT EMISSION PERIOD |
|-----------------|---------|----------------------------|-------|-----------------------|
|                 |         | ON                         | OFF   |                       |
|                 |         | 0[V]                       | 50[V] | -150[V]               |
| SELECTED        | 50[V]   | -50[V]                     | 0[V]  |                       |
| UNSELECTED      | 0[V]    | 0[V]                       | 50[V] |                       |
| ALL<br>SELECTED | -350[V] |                            |       | 200[V]                |

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FIG. 37



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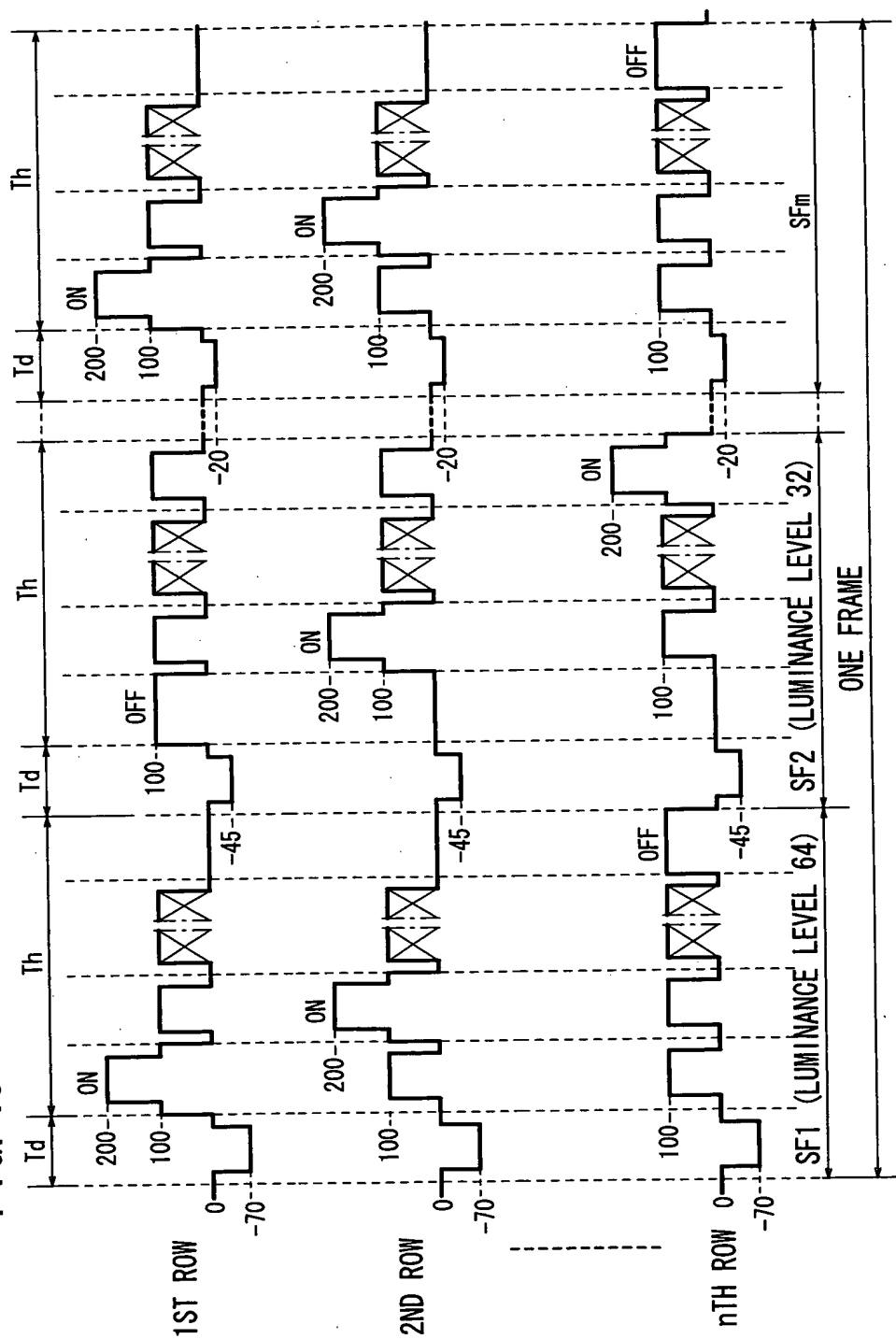
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FIG. 39

|                 |        | CHARGE<br>ACCUMULATION<br>PERIOD | LIGHT EMISSION PERIOD |        |
|-----------------|--------|----------------------------------|-----------------------|--------|
|                 |        |                                  | ON                    | OFF    |
|                 |        | 0[V]                             | 200~110[V]            | 100[V] |
| SELECTED        | 0[V]   |                                  | 200~110[V]            | 100[V] |
| UNSELECTED      | 100[V] |                                  | 10~100[V]             | 0[V]   |
| ALL<br>SELECTED | 70[V]  | -70[V]                           |                       |        |

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FIG. 40



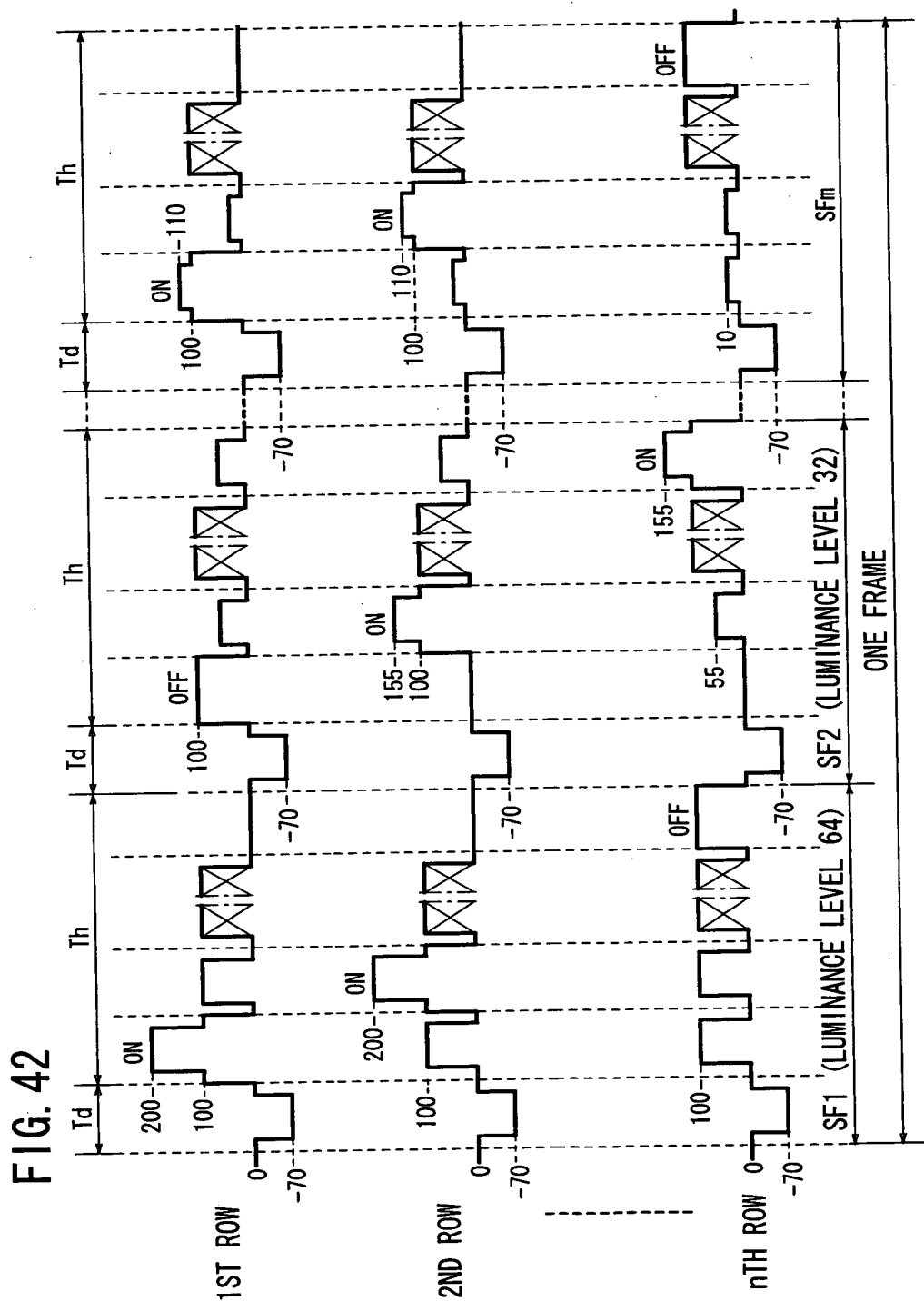


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FIG. 41

|                 |        | CHARGE<br>ACCUMULATION<br>PERIOD | LIGHT EMISSION PERIOD |        |
|-----------------|--------|----------------------------------|-----------------------|--------|
|                 |        |                                  | ON                    | OFF    |
|                 |        | 0~50[V]                          | 200[V]                | 100[V] |
| SELECTED        | 0[V]   |                                  | 200[V]                | 100[V] |
| UNSELECTED      | 100[V] |                                  | 100[V]                | 0[V]   |
| ALL<br>SELECTED | 70[V]  | -70~-20[V]                       |                       |        |

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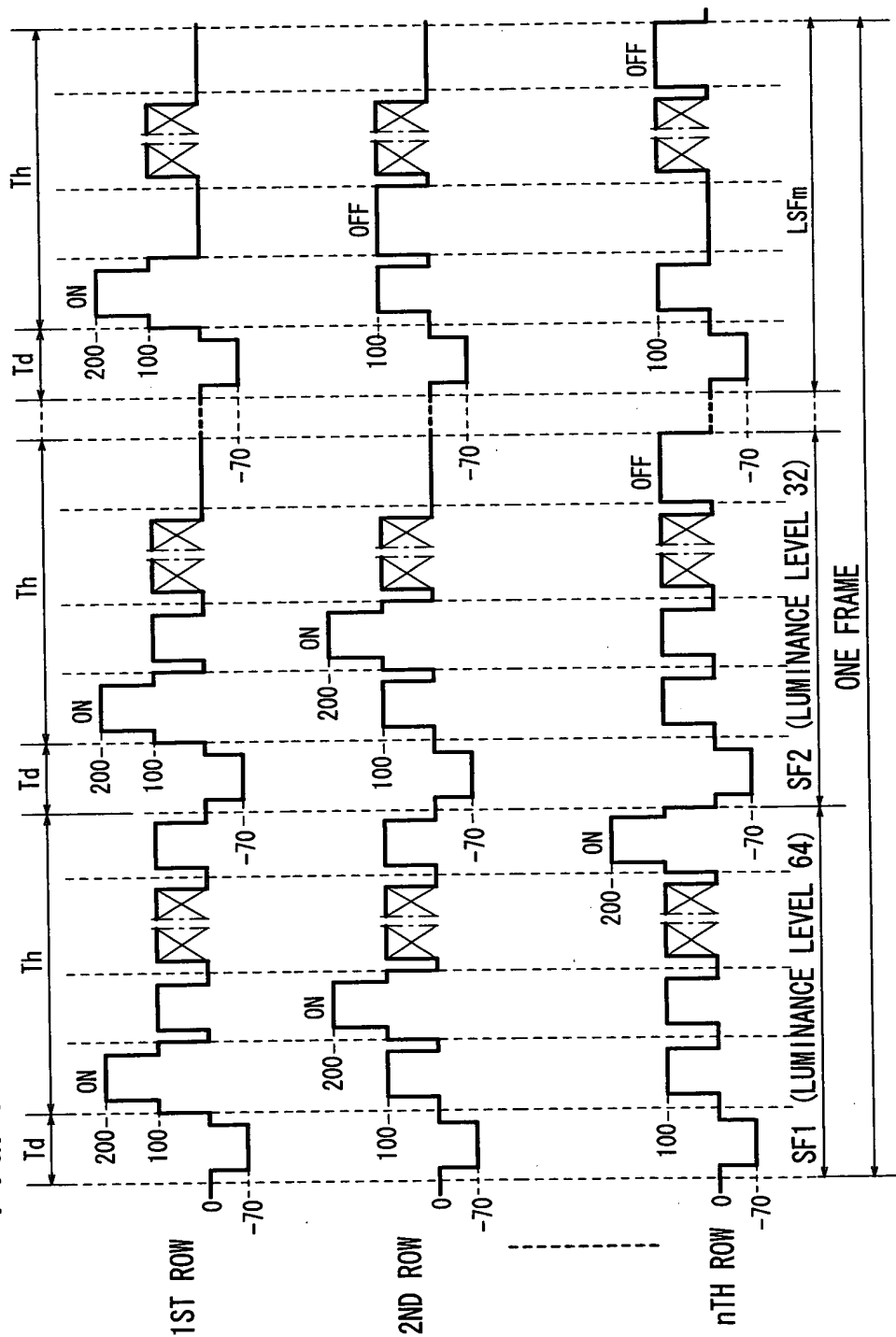
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FIG. 43

|                 |        | CHARGE<br>ACCUMULATION<br>PERIOD | LIGHT EMISSION PERIOD |        |
|-----------------|--------|----------------------------------|-----------------------|--------|
|                 |        |                                  | ON                    | OFF    |
|                 |        | 0[V]                             | 200~110[V]            | 100[V] |
| SELECTED        | 0[V]   |                                  | 200~110[V]            | 100[V] |
| UNSELECTED      | 100[V] |                                  | 10~100[V]             | 0[V]   |
| ALL<br>SELECTED | 70[V]  | -70[V]                           |                       |        |

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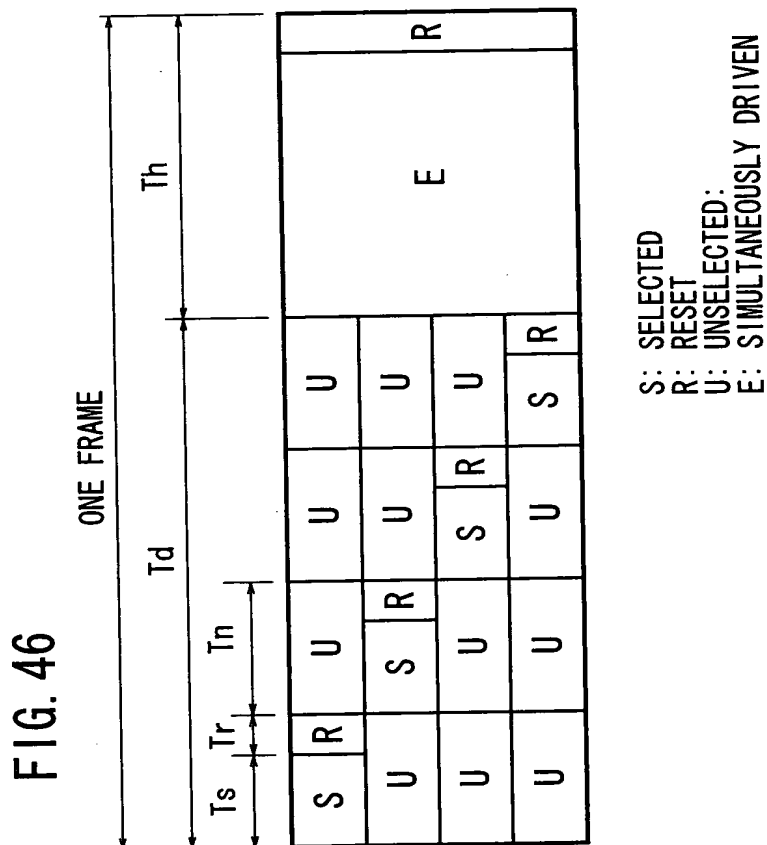
FIG. 44



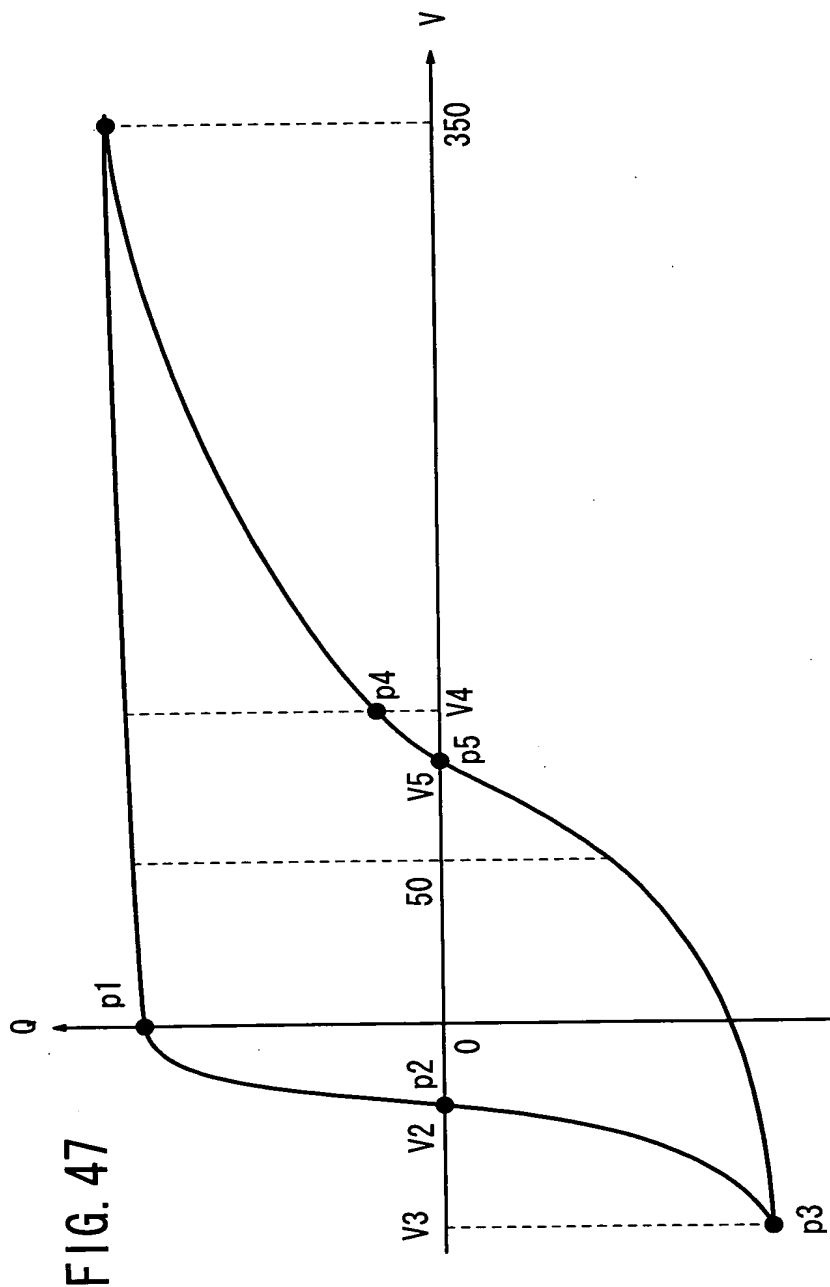
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FIG. 45

|                 |        | CHARGE<br>ACCUMULATION<br>PERIOD | LIGHT EMISSION PERIOD |        |
|-----------------|--------|----------------------------------|-----------------------|--------|
|                 |        |                                  | ON                    | OFF    |
|                 |        | 0[V]                             | 200[V]                | 100[V] |
| SELECTED        | 0[V]   |                                  | 200[V]                | 100[V] |
| UNSELECTED      | 100[V] |                                  | 100[V]                | 0[V]   |
| ALL<br>SELECTED | 70[V]  | -70[V]                           |                       |        |



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FIG. 48

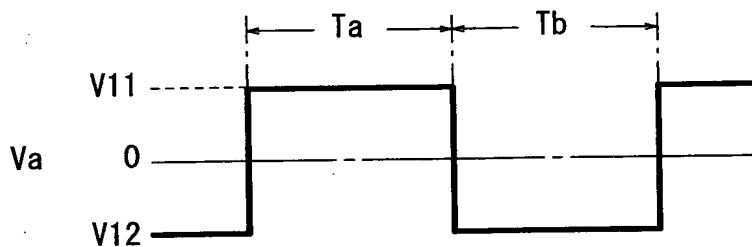
|              |         | CHARGE ACCUMULATION PERIOD |       | LIGHT EMISSION PERIOD |
|--------------|---------|----------------------------|-------|-----------------------|
|              |         | ON                         | OFF   |                       |
|              |         |                            |       | 0~30[V]               |
| SELECTED     | 50[V]   | -50~-20[V]                 | 0[V]  |                       |
| RESET        | 0[V]    |                            | 50[V] |                       |
| UNSELECTED   | High-Z  | VARIABLE FROM 0 TO 100 V   |       |                       |
| ALL SELECTED | -350[V] |                            |       | 350[V]                |

High-Z: HIGH IMPEDANCE STATE

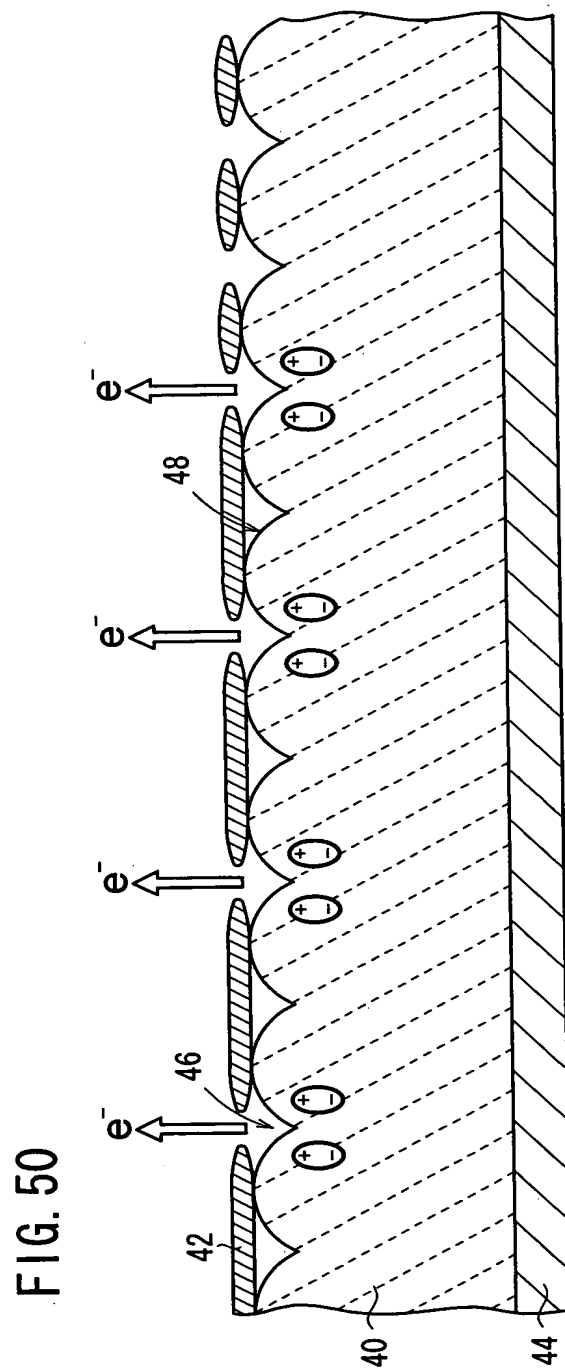


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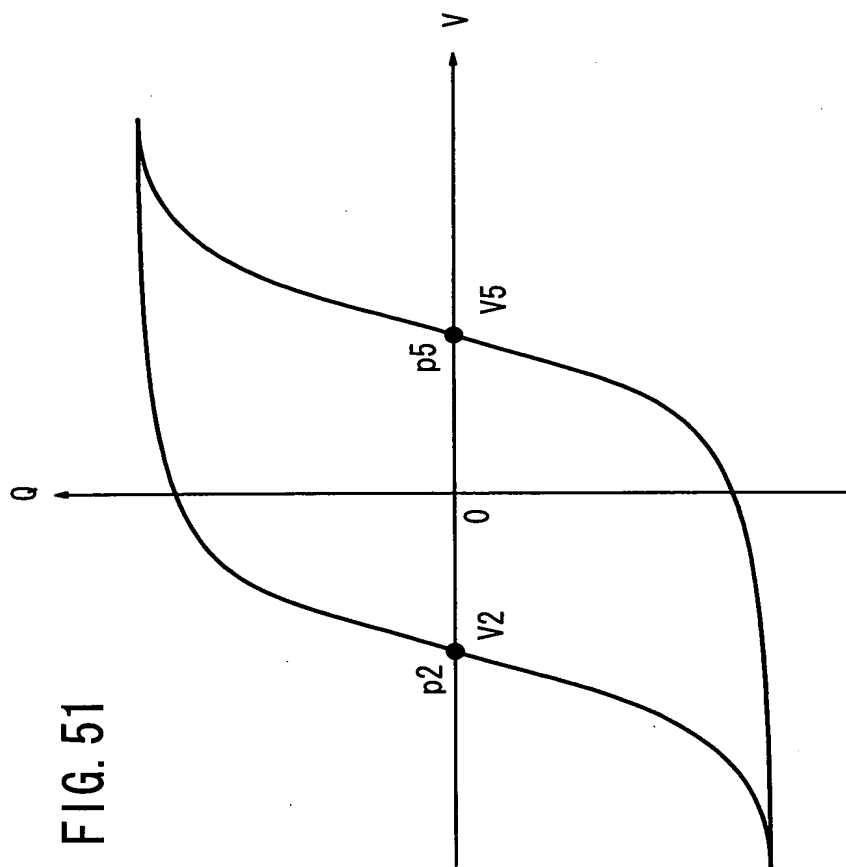
FIG. 49



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FIG. 53

|            |          | ON       | OFF      |
|------------|----------|----------|----------|
|            |          | -40 [V]  | 0 [V]    |
| SELECTED   | 100 [V]  | -140 [V] | -100 [V] |
| UNSELECTED | -100 [V] | 60 [V]   | 100 [V]  |

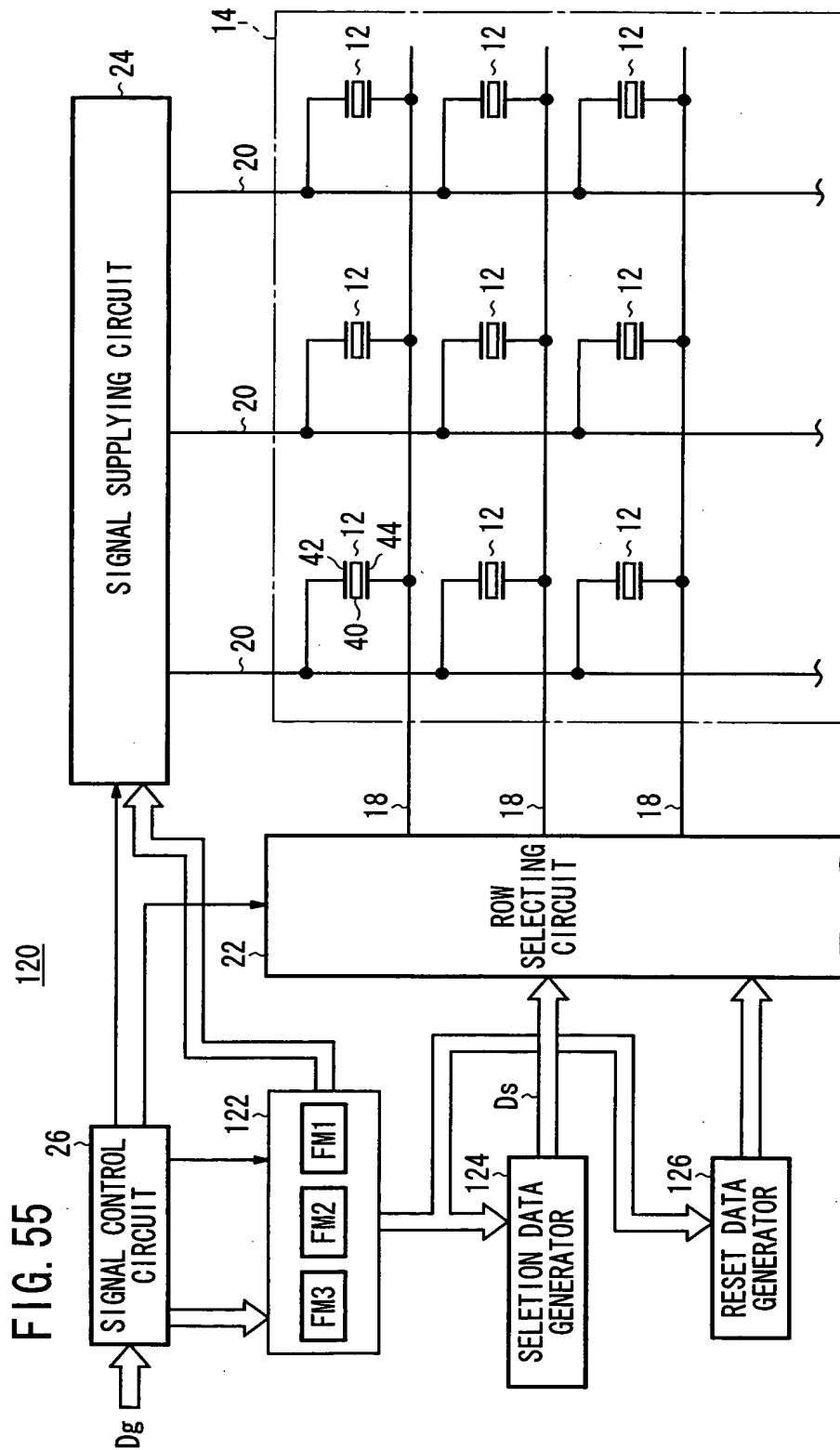
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FIG. 54

|                 |         | ON                        | OFF     |
|-----------------|---------|---------------------------|---------|
|                 |         | -40[V]                    | 0[V]    |
| SELECTED        | 100[V]  | -140[V]                   | -100[V] |
| RESET           | -100[V] | 60[V]                     | 100[V]  |
| ALL<br>SELECTED | High-Z  | VARIABLE FROM 60 TO 140 V |         |

High-Z: HIGH IMPEDANCE STATE

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FIG. 57C

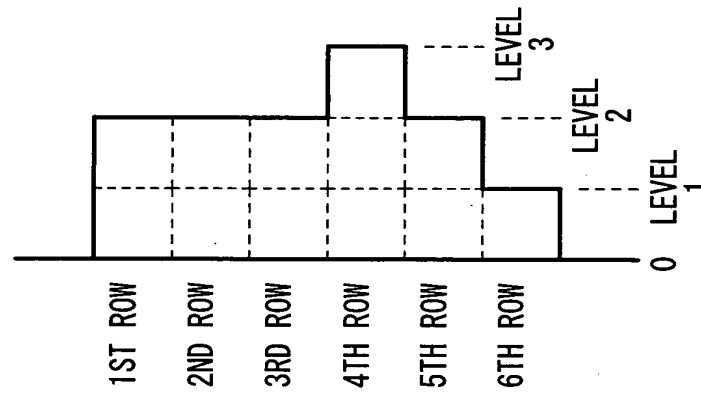


FIG. 57B

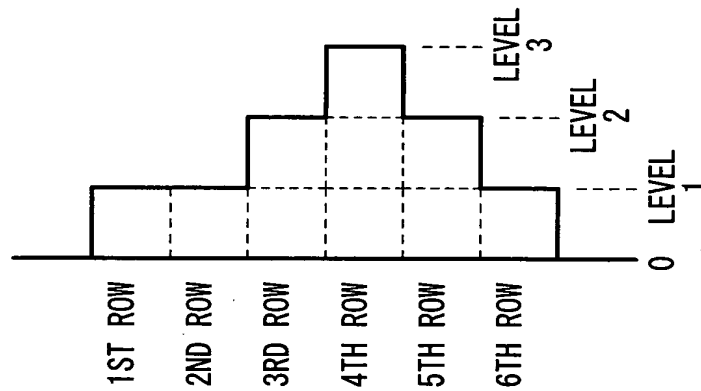
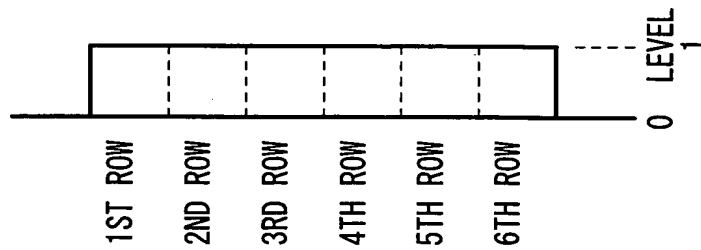


FIG. 57A



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FIG. 58

|                   |         | ON                            | OFF     |
|-------------------|---------|-------------------------------|---------|
|                   |         | -40[V]                        | 0[V]    |
| SELECTED          | 100[V]  | -140[V]                       | -100[V] |
| RESET             | -100[V] | 60[V]                         | 100[V]  |
| 1ST<br>UNSELECTED | High-Z  | VARIABLE FROM - 140 TO - 60 V |         |
| 2ND<br>UNSELECTED | High-Z  | VARIABLE FROM 60 TO 140 V     |         |